

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number
WO 2005/092283 A1

(51) International Patent Classification⁷: A61K 7/48, 7/06

(74) Agents: BEST, Michael et al.; Lederer & Keller, Prinzregentenstr. 16, 80538 München (DE).

(21) International Application Number:

PCT/EP2005/003115

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 23 March 2005 (23.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

04007281.1 26 March 2004 (26.03.2004) EP

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): DSM IP ASSETS B.V. [NL/NL]; Het Overloon 1, NL-6411 TE Heerlen (NL).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): SCHEHLMANN, Volker [DE/DE]; Altigweg 16, 79650 Schopfheim (DE). KLOCK, Jochen [DE/DE]; Richard-Strauss-Strasse 8, 79104 Freiburg (DE). MAILLAN, Philippe, Emmanuel [FR/FR]; 5 rue du Vignoble, F-68440 Eschentzwiller (FR). VOLLHARDT, Juergen, H. [DE/CH]; Brunnackerstrasse 4, CH-4433 Ramlinsburg (CH). RAWLINGS, Anthony [GB/GB]; 26 Shavington Way Kingsmead, Northwich Cheshire CW9 8FH (GB). BEUMER, Raphael [DE/DE]; Neudorfer Str. 10, 79541 Loerrach (DE).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPOSITION COMPRISING AN HDAC INHIBITOR IN COMBINATION WITH A RETINOID

(57) Abstract: The present invention is directed to compositions which contain a combination of at least one histone deacetylase inhibitor (HDAC inhibitor) and a retinoid. The composition is in particular a cosmetic preparation. It was found that the combination of an HDAC inhibitor and retinol or a derivative thereof is in particular useful for treating wrinkles but also for thickening the epidermis and for improving hair growth.

WO 2005/092283 A1